Smarter Balanced Assessment Data

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Smarter Balanced at a Glance

- 23 Members: 21 States, US Virgin Islands, Bureau of Indian Education
- Represent more than 14 million students.

 Formative, Interim, and Summative assessments aligned to the Common Core State Standards for English

Language Arts and

Mathematics.



Achievements in the Last 12 Months

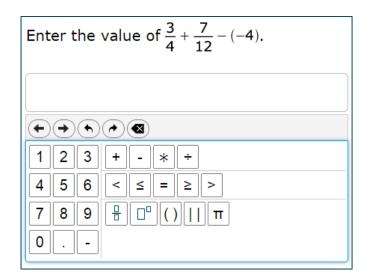
- New home at UCLA
- Released open source assessment software (Assessment Production, Test Delivery, Scoring, Reporting, Digital Library)
- Summative tests delivered to more than 7 million students in 18 states.
- Millions of interim tests delivered.
- More than 570,000 registered teachers on the digital library.
- More than 200 colleges accept Smarter
 Balanced assessment for placement purposes.

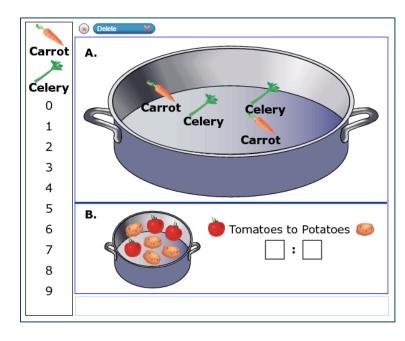


Innovative Features

- Constructed Responses: Graphing, Equations
- Accessibility Features: Text-To-Speech, Refreshable Braille, Tactile Graphics, more
- Computer Adaptive Tests

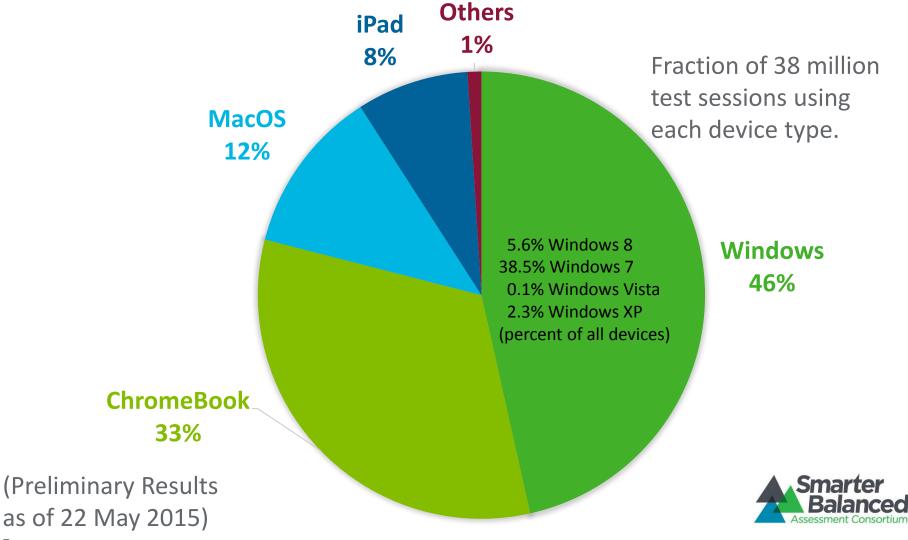








Devices Used in Spring 2015 Tests



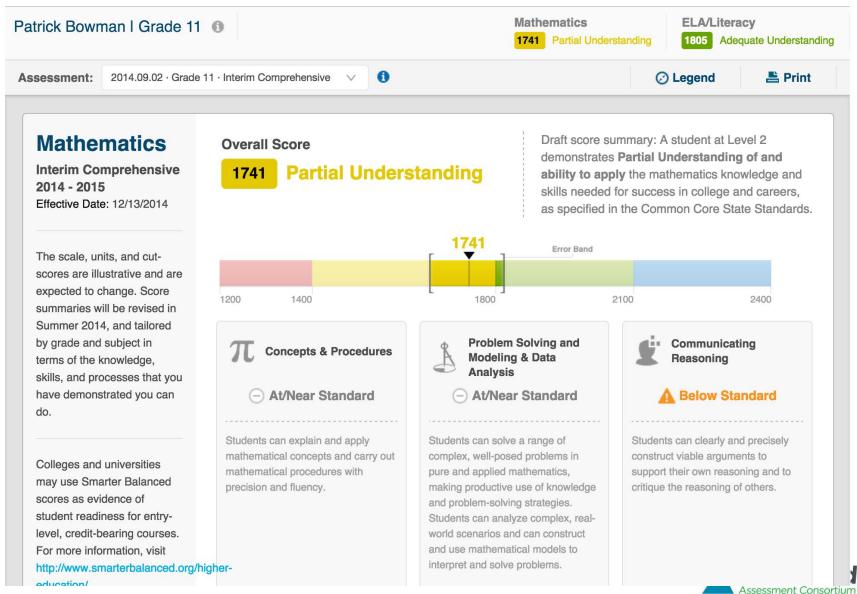
Test Results Data

- Student Info
 - Identity (optional)
 - Demographics
 - School, District (optional)
 - State
 - Ethnicity, Economically Disadvantaged, IEP/504
- Assessment Session Info
 - Location
 - Form
 - Test Administrator ID
 - Testing Device

- Student Responses
 - Item Responses
 - Item Scores
 - Accessibility Feature
 Designation and
 Availability
- Test Results
 - Overall Scale Score
 - Standard Error
 - Achievement Level
 - Claim Scores
 - Claim Achievement Levels



Sample Individual Student Report



Interoperability Standards and Specifications used by Smarter Balanced

- Common Core State Standards
- SmarterApp Assessment Item Format
- Common Education Data Standards (CEDS)
 - Smarter Balanced Test Results Loaded into "Align"
- IMS Content Packaging
- SAML and OAuth (Single sign-on)
- Smarter Balanced Profile of IMS QTI/APIP*
- LRMI and Learning Registry*
- Accessible Rendered Item format (ARI)*



^{*}Planned

Technical Challenges

- Deploying open source across vendors
- Packaging assessments for multiple vendors
- Collecting data in multiple formats from multiple states and vendors
- Efficient Assessment Production System
- Sustaining pace of innovation



Addressing Challenges

- Code Update: Focus on reliability, scalability, and deployment
- Assessment production system based on principles and tools used for software production.
- Prototype Accessible Rendered Item Format - "Like a PDF for assessment items."



Q&A

Resources

- http://www.smarterbalanced.org
- http://www.smarterapp.org
 - Specifications including test results

